

ABSTRACT

DIFFERENTIAL DETECTOR

A differential detector is disclosed which comprises: a frequency converter (230) arranged to convert an input signal into demodulated baseband signals; samplers (217, 218) arranged to sample said demodulated baseband signals at a sampling frequency to provide sampled signals; a demodulator (231) arranged to demodulate the sampled signals to provide a demodulated signal; and a data slicer (310) arranged to sense an envelope of the demodulated signal to provide an envelope signal and a comparator (224) arranged provide an output signal dependent upon the demodulated signal and the envelope signal.

Figure 3